

Corrected Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Spinel ferrimagnetic particles, a composition formula of which when prepared is $(\text{CoO})_{0.5-x}(\text{NiO})_{0.5-y}(\text{MO})_{x+y} \cdot n/2(\text{Fe}_2\text{O}_3)$ (M is a bivalent metal except Co and Ni), where,

a value of n (molar ratio) = $\text{Fe}/(\text{Co} + \text{Ni} + \text{M})$ is $2.0 < n < 3.0$, which is larger than stoichiometric amount ($n = 2$) of a spinel ferrite and less than that of 1.5 times, and,

values of said x, y satisfy ~~$0 = x < 0.5, 0 = y < 0.5$~~ $0 \leq x < 0.5, 0 \leq y < 0.5$,

$0 < x+y < 0.5$, wherein,

also, superparamagnetic fine particles contained in said spinel ferrimagnetic particles produced by coprecipitation is 5 % by mass or less.

2. (Previously Presented) The spinel ferrimagnetic particles according to claim 1, wherein said M is a metal selected from either Zn or Mn.

3. (Currently Amended) The spinel ferrimagnetic particles according to claim 1, wherein:

the value of said n is $2.2 < n < 2.8$;

the values of said x, y satisfy ~~$0 = x < 0.2, 0 = y < 0.2$~~ $0 \leq x < 0.2, 0 \leq y < 0.2$,

$0.01 < x+y < 0.2$; and

superparamagnetic fine particles contained in said spinel ferrimagnetic particles is 2 % by mass or less.

4. (Previously Presented) The spinel ferrimagnetic particles according to claim 1, wherein coercivity is 239 - 637 [kA/m] and saturation magnetization is 50.3×10^{-6} - 88.0×10^{-6} [Wb•m/kg].

5. (Currently Amended) The spinel ferrimagnetic particles according to claim 1, prepared through a forming process comprising the steps of:

preparing mixed solutions by mixing each solution containing iron, cobalt, nickel and said M as water soluble metallic salt, respectively, by satisfying said conditions of x, y, n ;

preparing solutions containing coprecipitation substance by adding an alkaline aqueous solution to said mixed solutions and adjusting pH value to be ~~12.0 = pH = 14.0~~
 $12.0 \leq \text{pH} \leq 14.0$; and

producing fine particles by heat-treating said solutions containing coprecipitation substance at 80 °C-120 °C, and then performing filtration, washing and drying.

6. (Original) The spinel ferrimagnetic particles according to claim 5, wherein said step of preparing said solutions containing coprecipitation substance is a step of preparing solutions containing coprecipitation substance by adjusting pH values to $13.0 < \text{pH} < 13.7$.

7. (Previously Presented) A magnetic recording medium containing said spinel ferrimagnetic particles according to claim 1.